

CHEMICAL LEASING TOWARDS A SUSTAINABLE WORLD

UNIDO's Global Chemical Leasing Programme responds to unsustainable chemical management and the lack of cooperation between chemical producers, suppliers and users

The problem of profit

Traditional business models ("the more you sell the more you earn") not only promote the excessive consumption of chemicals, but also generate considerable hazardous waste. The more chemicals sold, the greater the economic benefit for the supplier. This dynamic is often linked to an inefficient or ineffective use of chemicals:

on pre-defined sustainability criteria, creates a win-win situation for the partners and the environment.

A circular economy business model:
"Chemical Leasing turns the business model upside down: profit doesn't depend on more volume, but less."

Vojislavka Satric, Chemical Leasing Expert, Serbia



Figure 1: Chemical Leasing explained on YouTube,
<https://youtu.be/3Vvcp4TGG0w>

Our solution

UNIDO's Global Chemical Leasing Programme forms part of UNIDO's strategy to achieve Inclusive and Sustainable Industrial Development (ISID) around the globe. Chemical Leasing offers a partnership approach, where economic success no longer depends on the volume of chemicals sold, but on the service linked with those chemicals. Shifting the focus from increasing sales to a value-added approach means that the supplier's economic success relies on the function and benefits of the chemical. Chemical consumption becomes a cost rather than a revenue factor for the supplier. Chemical Leasing, based

An evolving programme

The programme was launched in 2004 with the direct support of the Austrian government. In 2007, the German government joined the cause, followed by the Swiss in 2013. Since the programme's inception, pilot projects have been conducted in close cooperation with the National Cleaner Production Centres, including those in Latin and South American, African, East European and Asian countries. Today, more than 100 companies worldwide have included Chemical Leasing in their business strategies.



"Chemical Leasing is fully in line with UNIDO's mandate to promote inclusive and sustainable industrialization at the global level and contributes to the achievement of Sustainable Development Goal 9 and all the other goals adopted by the 2030 Agenda for Sustainable Development."

LI Yong, Director General, UNIDO

For more information about Chemical Leasing, visit <http://open.unido.org/index.html> with project ID 100035, or visit the official website of the Chemical Leasing Programme <http://www.chemicalleasing.org/>

Resources for a global reach

Chemical Leasing has been implemented in many industries and processes, from car manufacturing to cleaning operations, beverage and food production to wastewater treatment. Case studies show how Chemical Leasing can support companies to reduce inefficient use and excessive consumption of chemicals, develop business partnerships based on mutual trust, and enhance economic and environmental performance.

UNIDO, together with different partners, has developed and published many resources on Chemical Leasing, including a book, an online toolkit (part of the IOMC Toolbox, which can be found online), various sector and case studies, as well as publications such as the “Chemical Leasing Ten-Years-Report and Strategy Outlook”. All of these efforts promote the adoption and implementation of Chemical Leasing on a global level.

See more at <http://www.chemicalleasing-toolkit.org/>



Figure 2: Chemical Leasing Pilot Project in Colombia

“The model created additional value and cost reduction.”

Saúl Correa, Process Engineer, Nalco de Colombia Ltda

Winning approaches

To increase the visibility of Chemical Leasing worldwide, UNIDO and its partners have launched the Global Chemical Leasing Award, recognizing best practice in four categories: case studies, public relations, consultancy and scientific papers. Since 2010, three Global Awards were held. More than a hundred applications were received, and the winners came from five different continents.

For more information contact: environment@unido.org



Figure 3: Winners of the Global Chemical Leasing Award 2014

Great chemistry

Joining the Chemical Leasing community is an excellent opportunity for companies, researchers, governments and other stakeholders. In 2014, the first international conference on Chemical Leasing and Sustainable Chemistry was held in Vienna, Austria. In 2015, a new strategic programme was developed by an international and multi-sectoral stakeholder group, paving the way to rapid up-scaling and mainstreaming of Chemical Leasing. Today, new projects to promote innovative business models are in the pipeline. With its Chemical Leasing programme, UNIDO is making real progress towards a sustainable future.

Join the initiative by contacting the Chemical Leasing Hotline: hotline.chemicalleasing@gmail.com.

“I have to admit, not in my wildest dreams could I have imagined such a success.”

Dr. Thomas Jakl, Deputy Director General, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria, and Member of the European Chemicals Agency Management Board

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